

AMENDED

Nº 50288

STORE
TO ~~APPROPRIATE~~ THE PUBLIC WATERS OF THE STATE OF NEVADA
RESERVOIR SITE NO. 11

Date of filing in State Engineer's Office.....OCT 16 1986
Returned to applicant for correction.....MAR 4 1987
Corrected application filed.....MAY 1 1987
Map filed.....MAY 1 1987 under 50287

The applicant.....Washoe County and City of Sparks
Post Office Box 11130....., of Reno
Street and No. or P.O. Box No. City or Town
Nevada 89520....., hereby make.... application for permission to appropriate the public
State and Zip Code No. waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorpora-
tion; if a copartnership or association, give names of members.)

1. The source of the proposed appropriation is.....Underground water appropriated under
Name of stream, lake, spring, underground or other source
applications 50191 through 50241 inclusive.
2. The amount of water applied for is.....N/A.....second-feet
One second-foot equals 448.83 gals. per min.
(a) If stored in reservoir give number of acre-feet.....9,200
3. The water to be used for.....power (pumped storage of electrical energy).
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.
4. If use is for:
 - (a) Irrigation, state number of acres to be irrigated.....N/A
 - (b) Stockwater, state number and kinds of animals to be watered.....N/A
 - (c) Other use (describe fully under "No. 12. Remarks").....see remarks
 - (d) Power:
 - (1) Horsepower developed.....400 megawatts
 - (2) Point of return of water to stream.....none, the water will be recycled.
5. The water is to be diverted from its source at the following point.....The inlet and outlet structures
will be centered about a point located within the.....Describe as being within a 40-acre subdivision of public
SE¼ NW¼ of Section 28, T37N, R18E, M.D.B.&M. at a point from which the NW corner
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.
of Section 28, T37N, R18E, M.D.B.&M. bears N45°W a distance of 1,900 feet.
6. Place of use.....Washoe County as described in NRS 243.340 et seq. Place of use
Describe by legal subdivision. If on unsurveyed land, it should be so stated.
map has been filed under application 50191.
7. Use will begin about.....January 1.....and end about.....December 31....., of each year.
Month and Day Month and Day
8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and
specifications of your diversion or storage works.).....Two reservoirs, penstock tunnels, a
State manner in which water is to be diverted, i.e. diversion structure, ditches and
combination pumphouse/powerhouse, and power transmission system.
flumes, drilled well with pump and motor, etc.
9. Estimated cost of works.....\$200,000,000.00

10. Estimated time required to construct works.....15 years.
If well completed, describe works.
11. Estimated time required to complete the application of water to beneficial use.....15 years.
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.
 see Attachment "A".

Compared.....bc/b1.....cl/.....

By.....s/Donald A. Mahin
 Donald A. Mahin, Agent
 Post Office Box 11130
 Reno, Nevada 89520

Protested.....

DENIAL.....OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby ~~grant~~^{deny} the same, subject to the following limitations and conditions:

This application is hereby denied on the grounds that it would not be in the public interest to approve permits to appropriate water from sources on which water rights do not exist.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed.....cubic feet per second.....

Work must be prosecuted with reasonable diligence and be completed on or before.....

Proof of completion of work shall be filed on or before.....

Application of water to beneficial use shall be made on or before.....

Proof of the application of water to beneficial use shall be filed on or before.....

Map in support of proof of beneficial use shall be filed on or before.....

Completion of work filed.....IN TESTIMONY WHEREOF, I, R. MICHAEL TURNIPSEED, P.E.,
 State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed.....my office, this 13th day of April.....

Cultural map filed.....A.D. 1998.....

Certificate No.....Issued.....
 State Engineer

ATTACHMENT "A"

PUMPED STORAGE PROJECT NUMBER 4
DUCK LAKE QUADRANGLE
RESERVOIR SITE NO. 11

This application is for storage of water in an artificial reservoir (forebay) to be constructed as part of an electrical energy pumped storage project. This project consists of a forebay and afterbay that will recycle approximately 4,000 acre feet of water per day. The reservoirs will be connected to quasi-municipal water distribution facilities. The estimated annual evaporation from the forebay and afterbay in this project is less than 1,200 acre feet. The peak generating capacity of this project is about 400 megawatts. The power plant will be located at a point along a line connecting the forebay and afterbay.

The proposed dam in Section 28 T37N R18E M.D.B.&M. will be approximately 190 feet high and will submerge approximately 150 acres of land lying below an elevation of 6,080 feet mean sea level located within Sections 20, 21, 28, and 29 of T37N R18E M.D.B.&M. A saddle dam approximately 30 feet high will be located in Sections 20 and 21 of T37N R18E M.D.B.&M. The average total vertical head of this project is approximately 1,360 feet. The selection of the power plant location, dam location and construction methods will depend upon a detailed site investigation and project optimization.

